

Maryland Department of Health and Mental Hygiene – Center for Milk Control

1360 Marshall St., Hagerstown, MD 21740 301-791-4779

APPLICATION TO INSTALL A REFRIGERATED BULK MILK STORAGE TANK

Name of Producer _____ Permit No. _____ Phone No. _____
Mailing Address _____
Farm location (if different) _____
Market _____ Field Rep. _____ Phone No. _____
Equipment Manufacturer _____
Installer _____ Phone No. _____
Address _____ Installation Date _____

I HEREBY MAKE APPLICATION FOR PERMISSION TO INSTALL A REFRIGERATED BULK MILK STORAGE TANK. THIS EQUIPMENT WILL CONFORM TO OR EXCEED 3A SANITARY STANDARDS ACCEPTED PRACTICES FOR FARM COOLING/STORAGE TANKS.

Application to Install: New Tank _____ Used Tank _____ New Pre-Cooler _____ Used Pre-Cooler _____

****Please submit this completed application for plan approval at least 10 days prior to installation (except emergencies).***

****Submit a drawing with this application indicating installation details.***

FARM REFRIGERATED BULK MILK STORAGE TANK:

Make/Model No. _____ Serial No. _____ Capacity _____
Bulkheaded: Y _____ N _____ Recording Thermometer: Y _____ N _____ No. of condensing units: _____
Manual Timer: Y _____ N _____ Interval Timer: Y _____ N _____
Condensing Unit Mfg.: _____ Total BTU/hr. _____
Maximum Cooler Loading Rate: _____ lbs./hr. No. Milking units: _____ Milking rate: _____ lbs./hr.
Milk Pickup Schedule: Daily _____ Every-other-Day _____

**Total BTU/hr. should equal loading rate in BTU/hr. An allowance of 10% is acceptable when milking time is less than 3 hours.*

PRE-COOLER: *Complete for new or existing pre-coolers*

Serial No. _____
Type: Plate: _____ Cube: _____ Tubular: _____ Size: (# of plates, tube length, etc.) _____
Single Pass: _____ Dual Pass: _____ Cooling Capacity: _____ BTU/hr.

Receiver pump properly sized to account for pre-cooler backpressure: Y _____ N _____

**Water lines to/from pre-cooler must be properly protected against backpressure & backsiphonage*

**A product line by-pass at the pre-cooler during cleaning operation is not an acceptable solution.*

**A clean filter must be installed prior to washing a pre-cooler (following the pre-rinse cycle) to prevent the deposition of foreign materials during the wash cycle.*

WASHING EQUIPMENT:

Auto CIP _____ Manual _____
Water req. (in gal.): Pre-rinse _____ Wash _____ Post Rinse _____ Total req.= _____
Water Heater: Electric _____ Gas _____ Oil _____ Boiler _____ Capacity (gal.) _____
Recovery Rate - _____ (gals/hr./100 °F rise)
Heat Recovery Unit: Y _____ N _____ Make _____ Capacity (gal.) _____
Manually Cleaned items: Tank Outlet Valve _____ Measuring Rod _____ Rod Ports _____
Lids, vents, gaskets _____ Equipment exterior _____ Other Items (list) _____

A CLEANING PROGRAM INCLUDING WATER HARDNESS AND DETERGENT & SANITIZER CONCENTRATIONS MUST BE POSTED IN THE MILK ROOM. IF PROCEDURE IS CHANGED IN ANY WAY, A NEW PROGRAM MUST BE POSTED. ANY FUTURE MODIFICATION OF THIS EQUIPMENT MUST HAVE PRIOR WRITTEN APPROVAL.

SIGNATURES:

Producer _____ Date _____
Field Rep. _____ Date _____
Installer _____ Date _____
Sanitarian (Plan) _____ Date _____
Sanitarian (Installation) _____ Date _____